OIPE
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PATENT & TRADEMARK OFFICE

Title: Optical Fiber Communications Method And System...
Inventor(s): David WAKE et al.
Application No.: 10/821,590
Docket No.: 556592000600

FIG. 1

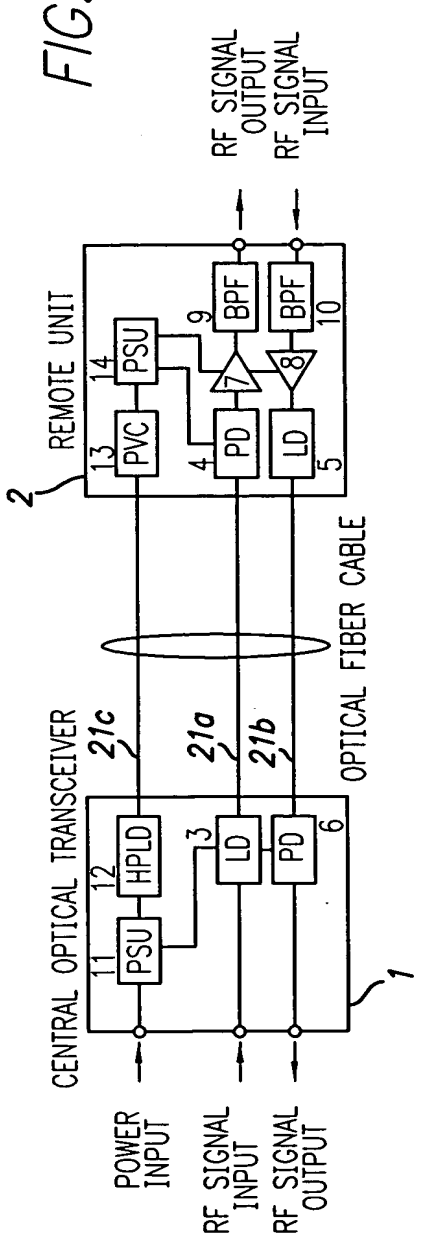


FIG. 2

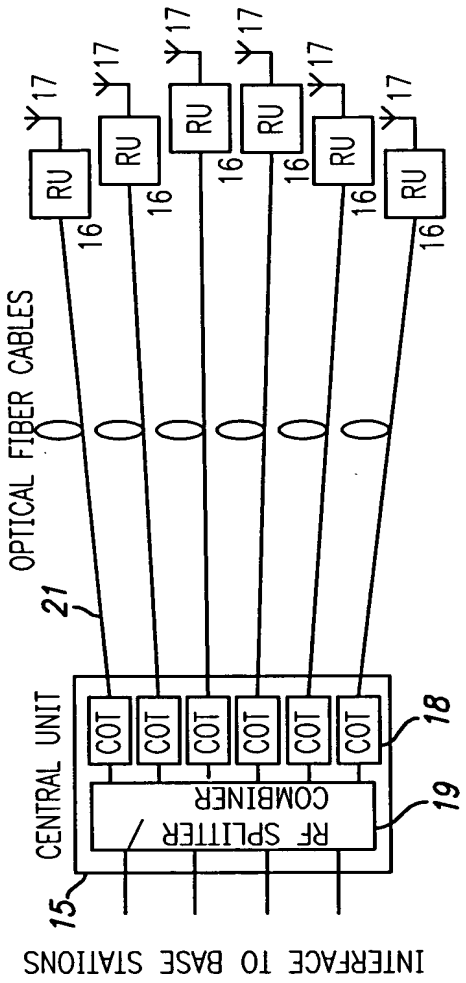


FIG. 3

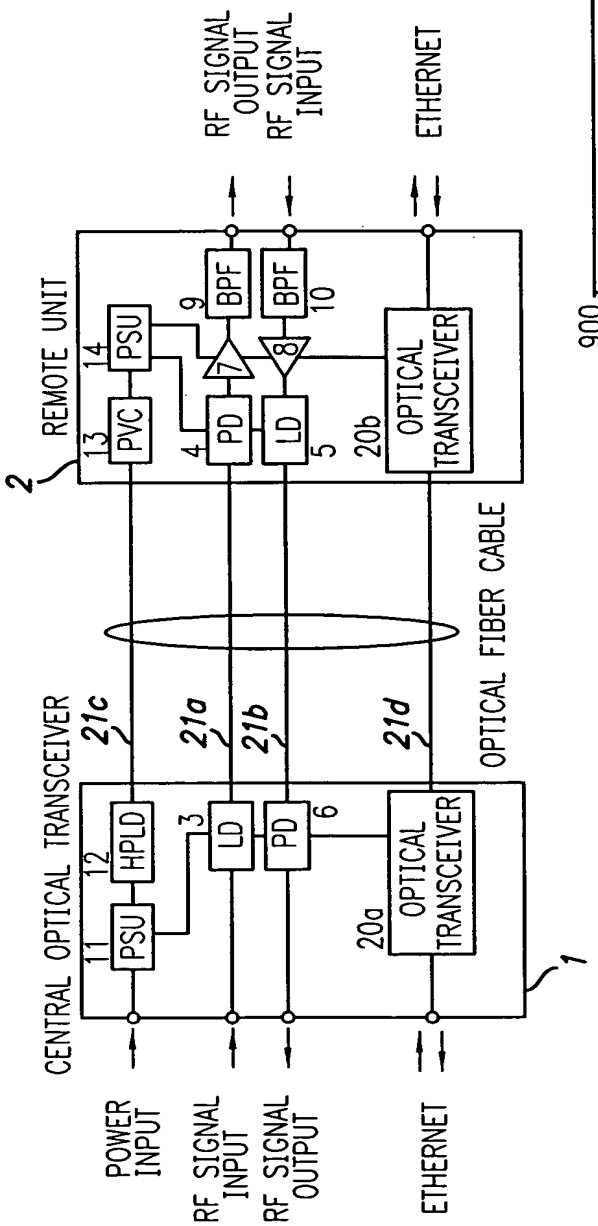
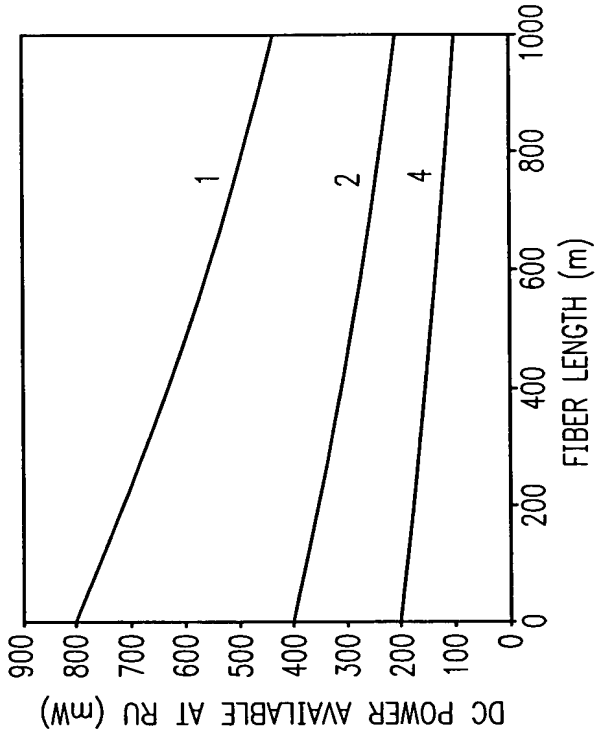

REMOTE UNIT
2
RF SIGNAL OUTPUT
RF SIGNAL INPUT
ETHERNET
BPF
9
BPF
10
PSU
14
PVC
13
PD
4
LD
5
7
8
OPTICAL TRANSCEIVER
20b
OPTICAL FIBER CABLE
CENTRAL OPTICAL TRANSCEIVER
21c
21a
21b
21d
HPLD
12
PSU
11
LD
3
PD
6
OPTICAL TRANSCEIVER
20a
1
POWER INPUT
RF SIGNAL INPUT
RF SIGNAL OUTPUT
ETHERNET

FIG. 4


DC POWER AVAILABLE AT RU (mW)
900
800
700
600
500
400
300
200
100
0
0
200
400
600
800
1000
FIBER LENGTH (m)
1
2
4